
SOP Title: **Troubleshoot / Replace Control Power Transformer and/or Control Power Tansformer Fuse**
SOP Number:**WC 675 02**

Written by: Ted Gibson & David Lane Date: 01/ 13/ 96.
Revised by: _____ Date: / / .
Approved by: _____ Date: / / .

Potential Energy Sources:
1. Electrical supply (120 Vac, 480 Vac).

Tools Required: Hard hat, safety shoes, safety glasses, work gloves, class 0 insulated gloves, flame retardant clothing, insulated tools, multimeter, fuse puller.

References:
1. OSHA 1910.147, The Control of Hazardous Energy (lockout/tagout).
2. PWC 5100.33E Chapter 24, Energy Control Sources.
3. OSHA 1910 Subpart I, Personal Protective Equipment (PPE).
4. PWC 5100.33E Chapter 20, Personal Protective Equipment (PPE).

Procedures:
1. Ensure proper PPE is worn [see references (3) and (4)].
2. Visually inspect work area for hazards.
3. Troubleshoot circuit.
4. Identify branch circuit feeding fixture.
5. Obtain lock and tag to secure branch circuit device (e.g., circuit breaker, switch) by following proper lockout/tagout procedures.
6. Lock and tag branch circuit feeding fixture [see references (1) and (2)].
7. Verify power is secured.
8. Remove fuses.
9. Test fuses.
10. Replace fuses / transformer as necessary.
11. Clear lock and tag to restore branch circuit device [see references (1) and (2)].
12. Remove lock and tag.
13. Verify power is restored.
14. Verify control power circuit is working.
15. Clean up area and dispose of debris.